

Product datasheet for **MC226160**

Uros (NM_001302086) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uros (NM_001302086) Mouse Untagged Clone
Tag: Tag Free
Symbol: Uros
Synonyms: AI415298; Ur; UROIIS; Uros3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226160 representing NM_001302086
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGTTCTCTTACTAAAAGACGCCAAGGAGGATGACAGCGGCCTGGATCCATATATCCAGGAGCTGC
GATTGTGTGGCCTAGAAGCCACACTGATTCCTGTGCTGTCATTTGAGTTTATGTCTCTCCCAGTTTGTG
AGAAAAGCTGTCTCATCCTGAAGGCTTTGGAGGACTCATTTCCACCAGCCCAGGGCAGTGAAGCAGTG
AAGCTGTGTTTGGAGAAGGACAATAAACTGAAGCCTGGGAGAAGTCTCTGAAAGACAGATGGAATGCCA
AGTCTGTGTACGTGGTTGGAAGTGCCACCCTTCTCTAGTGAATAAAATGGTCTGGATGCAAGAAGGAGC
GGGAGTGGAAATGCAGAAAAGCTTGTGAATATATTTGCTCAAATGGCCTCCTGGGTGAACAGCGATCC
CGCTCCCATGCTCCAGGTAGCCTTCAGTTGAGGCAGAAGTGCATCTCAGTTCTTACCTACATCCGGGG
CTGCTGCTTTGTCTGTGGAGACTTCTCAGGTCCTCCTCTTCCAACCTCTGCACTCAGTCTTCCCTGGC
AGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302086
Insert Size: 567 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001302086.1</u> , <u>NP_001289015.1</u>
RefSeq Size:	1298 bp
RefSeq ORF:	567 bp
Locus ID:	22276
Cytogenetics:	7 77.26 cM
Gene Summary:	<p>The protein encoded by this gene is the fourth enzyme in the heme biosynthesis pathway. It converts hydroxymethylbilane to uroporphyrinogen III, a cyclic tetrapyrrole. This enzyme is defective in the autosomal recessive disorder congenital erythropoietic porphyria. Alternate promoter usage controls cell type-specific expression, including erythroid cell-specific expression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1, lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus compared to isoform 1.</p>